

## Tuberculosis in Cattle.

To the Editor of the Review,  
SIR:

I have been frequently consulted by farmers and others engaged in the breeding and management of cattle, regarding the disease Tuberculosis, which has led me to give herewith a short description of that disease:

Tuberculosis is one of the diseases of animals which in many countries inflicts great loss on those engaged in agriculture. The United States and Canada are not so seriously affected as the older countries of Europe, but examinations show that the disease has obtained a foothold here and is now causing considerable loss.

So widespread has the disease become in Europe, that it has come to be looked upon as an unavoidable condition against which there is no use struggling. During the past ten years however, a more correct knowledge of the disease and its manner of spreading has been obtained and it is now generally conceded that the disease can be wiped out, and healthy herds obtained and kept for the future.

The disease as discovered by Koch is due to a germ or bacillus which enters the stomach with the food, and finds its way eventually into the circulation, or enters the lungs with the air, and lodging in the tissue begins to work. Thus it is seen that the disease is contagious and not hereditary that it is acquired and not transmitted, except in very rare instances directly from the parent to the offspring. It is thus against contagion, that all efforts to stamp out the disease should be directed. The spread of the bacillus is largely caused by animals being put together in the same stable. The discharge from the lungs of an affected animal is spread around in the bedding and manure, during its fits of coughing, and becoming dry, it is reduced to powder and floats in the air, and is then inhaled by animals in adjacent stalls, and even animals in the same stable, although some distance removed are not free from danger. When it is remembered that millions of these small germs are coughed out with a small quantity of the secretion it may be seen how easily a whole stable may be affected from one animal.

A source of great danger is putting healthy animals into stalls once occupied by diseased ones, as the manure are usually contaminated, unless a thorough disinfecting process has been carried on. Animals drinking from the same trough, particularly a trough running in front of stalls from which they all drink, are subjected to a great source of infection.

Transmission of the disease from one animal to another is not very frequent in the pasture. Now since contagion is the principal cause of the spreading and keeping alive of the disease it is necessary in order to put an end to it that all the healthy animals should be separated from the unhealthy. Up to this time this has been a very difficult undertaking as it was almost impossible to say, with certainty which animals were affected and which not, as some may be considerably diseased, (enough to spread the contagion) and yet not show any signs of sickness, and in fact look to be in almost perfect health.

Today by the use of tuberculin it is possible to tell a diseased animal, even if it is in the earliest stages, and the parts affected very insignificant. The efficiency of the tuberculin test in recognizing tuberculosis, both in its incipient and well developed stages is now unquestioned. As a means of diagnosis it is so far superior to any previous method, that its use is now regarded as essential by all progressive Veterinarians. It detects a diseased condition long before any physical symptoms are apparent.

Herein lies the great advantage of the tuberculin test, as it permits of a recognition of the disease sufficiently early to prevent further spread, if proper measures are at once instituted.

## Consumption

Out-door life and Scott's Emulsion of Cod-liver Oil with Hypophosphites have cured thousands of cases of consumption in the early stages. They cure old, advanced cases too; but not so many, nor so promptly. When a case is so far advanced that a cure cannot be made, even then SCOTT'S EMULSION checks the rapidity of the disease, relieves the pains in the chest, reduces the night sweats, and makes the cough easier. In these cases it comforts and prolongs life. Don't experiment with cures that destroy the digestion. Pin your faith to the one remedy which has been THE STANDARD FOR OVER 20 YEARS.

Book about it free for the asking. For sale by all druggists at 50c. and \$1.00.  
SCOTT & BOWNE, Toronto, Ont.

The identity between human tuberculosis (commonly called consumption) and animal tuberculosis combined with the extraordinary mortality of human beings from this disease, has raised the question in all civilized countries as to how far animal and especially bovine tuberculosis was to blame for this high mortality. The Medical and Veterinary profession have approached this problem with equal zeal and much has come to light within recent years that enables us to come to some conclusion. If this disease is transmitted from animal to man, how does the transmission take place?

As comparatively few people come in direct contact with tuberculous cattle, it must be if at all, either through the meat, or the milk or through both, that the virus enters the human body. The question has thus narrowed itself down to the food products furnished by cattle.

Space will not permit me to go into further detail, but I shall be very pleased to give further information on the subject to any who may desire it.

Thanking you Mr. Editor for your valuable space. I remain,

Yours sincerely  
F. W. GOKEY, V. S. Durham.  
[Formerly assistant to the Professor of Vet. Science at Ontario Agricultural College (Model Farm) Guelph.]

W. C. T. U.

"For God and Home and every land."

WERE THE FORMER DAYS BETTER THAN THESE.

Sometimes temperance workers are discouraged at the smallness of returns for the labour put forth to rescue the land from the hand of the saloon-keepers. But this is only when a too near view of the situation is taken. If the retrospect is extended half a century and the drinking habits of a former generation contrasted with the present, the reformer feels a decided stimulus to persevere in the work. We are reaping the fields where other reformers have sowed, and our children in turn will gather a rich return from our planting. The Kingston "News" of Nov. 2nd relates the following, which will help the younger generation to an idea of the sociability of the good old days which we pray God, may never return.

"This morning Mr. J. L. Haycock M. L. A., said that 37 years ago a man died in Odessa from delirium tremens. Four young men undertook to bury the body about four miles from the village. They put it in a wooden box and drove into the country about four miles from the village. They were under the influence of liquor, and had three jugs filled with whiskey. They dug a grave about four feet deep, and after laying the coffin on two sticks they danced on it and sang songs. After the concert they placed one jug of whiskey at the head and the other at the foot of the coffin, and then covered it up. As a mark they put up a piece of board and scribbled on it some ridiculous epitaphs. After the burial, the jug of whiskey which the men kept was emptied. Their thirst not being nearly satisfied they uncovered the coffin and took one of the jugs out. This was soon emptied and they had to attack the other. When the contents of both jugs were gone they put empty vessels back in the grave, covered up the coffin and left. They drove back to Odessa singing like wildmen. The ages of the men ranged from about 25 to 30 years. Two of them have since died of delirium tremens, another was placed in an asylum, and the fourth, still living, is not very prosperous."

ORCHARDVILLE.

As we have had no correspondence from our village or vicinity for some time, and feeling somewhat left out in the chase. We shall endeavor from time to time to write up very briefly, the items of news which perhaps may be of some interest to many readers of your newsy paper in distant lands.

Miss Janet Blithe has been engaged as teacher in S. S. No. 14 for 98 at a salary of \$250.

The congregations of Amos church Dromore and Knox church Normanby met in the latter place on Monday last to choose a pastor. The lot fell on the Rev. Mr. Campbell and we hope the Rev. gentleman will see his way clear to accept the call.

Mr. John Morice jr met with a painful accident last week which has laid him on the shelf ever since. While engaged threshing on the farm of Mr. James Halladay he went to lower the straw carriers and missing his grip on the crank it flew around at a great speed striking John on the right temple inflicting an ugly gash. Dr. Brown of Holston dressed the wound and it is progressing very favorably.

The Knox church C. E. Society hold their meetings on Sunday evenings. The attendance is good, the order perfect. Miss Jane Marshall is leader for Sunday night next.

Mr. Andrew McIlroy purchased a fine pair of Thoroughbred Berkshire sows at Mr. David Reid's sale on Wednesday last.

Mr. A. Stewart has erected a fine hog and sheep pen 50x20 which is quite in touch with his fine bank barn.

Mr. Harry Cornish who has for some time been threatened with the loss of his eye-sight we are glad to state is improving favorably.

Honor Roll of Latona school for the month of November, Class IV—Maggie Simpson, J. Leith, A. Cameron, C. Stewart, D. McKechnie, L. Smith, Class III—M. Little, L. McKechnie, M. Cameron—M. McKnight, J. Smith, C. McKechnie, A. Dargavel, F. Bell, Sr. II—A. Twanley, H. Dargavel, R. Twanley, M. Smith, Jr. II—L. Simpson, W. Coffield, Sr. pt. II—R. Smith, M. Smith, Jr. pt. II—W. Smith, P. Simpson, M. Murdoch, E. Coffield, B. Lamont, J. Stewart, W. Bell, Sr., J. Smith, D. McAllen, Jr., F. Twanley, E. Simpson, B. Dargavel, Average attendance 25.—Miss B. C. SKENE, Teacher.

## AN OLD IRISH WOMAN'S JUBILEE ADDRESS TO THE QUEEN.

"Dear Sir,—It may be rather late in the day for an old Irish woman to present a royal and a jubilee address to her Majesty on the occasion of her diamond jubilee. The delay must not be attributed to want of zeal and loyalty, but to the fact that she lives far from the 'maddening crowd,' remote among the Moore's ranges, where she has the pleasure of spring time in late in coming being missed and very much overawed to a disease her Majesty directly she would like exceedingly if you would graciously find room for her address. Yours M.M.L., Rathfriland, County Down. —Sent to Fall Mail Gazette."

I've been thinkin' me laddy, some be merril, in me cabin down here to the throne, That the jubilee folk, and their noise and their talk, Don't know half what these jubilee men's.

Sure you'll not be offended at all when I say I'm as merril as yourself to a day; But, acushla, be raison of sickness and cold, I'm more stooped in the shoulders and grey.

You've maybe had griefs, spite of sceptres and And bereavements that burden the heart; So have I, but in irishly I'm waitin' the call That bids sorrow and sighs depart.

But their talk makes me think of the years far away, And the friends and old ways that are gone; Thine, the throne and the sunshine are there But their freshness and gladness are flown.

Sixty years do they say? I was then a colleen, Wid the bloom on me cheek, and me place Was as bright as the mornin', and there on the green, Wid young Dan iverly evenin' and dance.

And on Sundays wid our comrades we'd wander the hills, When the heather was bloomin' and Dan One sweet evenin' said, 'Nora, I love ye astore; An' I gave him me heart wid me hair.'

But we heard that a Prince was sweetheartin' yourself, And 'begorra,' says Dan, 'I had be foin' For to make the Queen's weddin' day ours,' and Sure, you'd not be remember the thoin'.

I was happy wid Dan as yourself on the throne, Not a thimble came near us for years; But the famine came soon, and the sever oceans, Me old eyes are too cold to shed tears.

Sure, me heart never bruk wid me Danny was And I cried when your troubles came, too; For a widdy, a widdy, altho' on a throne; Some lechler I am than you.

So I sit in me cabin alone be shroune, Wid me child all over the ay, And, me laddy, you'll not be offendat at all If I read on your jubilee day.

Don't neglect or strain your eyes; they are the most precious and useful of your senses. Take as good care of them as in your power in the first place; but, if they are not as they should be, have them attended to at once. Remember, if once injured they are never quite so good as they were before.

## Robe Tanning!

## Robe Tanning!

Horse Hides, Cow Hides, Dog Skins, Tanned suitable for

Robes & Coats

By the New Process,

which for Finish and Soft-

ness can't be beat.

Thos. Smith.

Satisfaction Guaranteed.

N.B.—To ensure a good job the Hides must be well salted as soon as taken off.

## H. H. Miller

The Hanover Conveyancer,

has

100 Good Properties

For Sale.

Among which are the following:

1st & 2nd Div. Lot 19 Con. 1 W. G. R. Bentinck, 100 acres, lately owned by Henry Hall and formerly known as the "Parker" farm. This is a good farm and will be sold on very reasonable terms.

THE SCANLAN FARM, lot 30, con. 5, Bentinck—100 acres. Will sell or rent.

BENTINCK: The Teasdale Farm lot 30, Con. 2, W. G. R. Bentinck 100 acres, I have just bought this from Mr. Teasdale and will sell at a great bargain.

HOLLAND TOWNSHIP, Lewis Eydf farm, 100 acres in good German settlement — will sell or exchange. A good place.

THE ROMBOUGH PROPERTY, Durham. What I can sell I will rent.

I have \$1,000,000 to lend at 5 per cent. Choose your time to pay it back. Business private, charges moderate.

H. H. MILLER,

The Hanover Conveyancer

AGENTS—"The best Life of Her Majesty I have seen" writes Lord Lorne about "Queen Victoria." Agents make five dollars daily. Inquire free. THE BRADLEY-GARRETTSON CO., Limited, Toronto.

## Money To Loan.

COMPANY and PRIVATE Funds to Loan in sums and on terms to suit borrowers. (On first Mortgage on Town or Farm Property.) Lowest rates of Interest. Quick despatch, and lowest possible charges:

Apply to

G. Lefroy McCaul

Barrister, Upper Town Durham.

Durham, Sept. 23rd '97. 3m

## Merit Talks

"Merit talks" the intrinsic value of Hood's Sarsaparilla. Merit in medicine means the power to cure. Hood's Sarsaparilla possesses actual and unequalled curative power and therefore it has true merit. When you buy Hood's Sarsaparilla, and take it according to directions, to purify your blood, or cure any of the many blood diseases, you are morally certain to receive benefit. The power to cure is there. You are not trying an experiment. It will make your blood pure, rich and nourishing, and thus drive out the germs of disease, strengthen the nerves and build up the whole system.

## Hood's Sarsaparilla

Is the best, in fact—the One True Blood Purifier. Prepared only by C. I. Hood & Co., Lowell, Mass.

Hood's Pills Do not purge, pain or gripe. All druggists, 25c.

LATE LITERARY NEWS.—What would you do if war should be declared to-morrow with a European power? How would it change your home life, the lives of your brother and other relatives? How would it affect your business connections and business? What changes would it make in financial, city, state and national affairs? It is these interesting problems which a writer in the December COSMOPOLITAN has undertaken to sketch under the heading of "A Brief History of Our Late War with Spain," at the same time vividly describing the exciting scenes which would attend the opening of hostilities. This same number of THE COSMOPOLITAN has an article on "The Well-dressed Woman" by Elsie de Wolfe, a contrast of the characters of Henry George and Charles A. Dana by John Brisbane Walker, in another place "The Loves of Goethe," while Wells' story, "The War of the Worlds," which has been so widely read, reaches its conclusion in an unexpected way. This fine magazine with the Review for \$1.80.

## JACKSONS.

David Jackson, Jr., C. of E. D. V. O. Land Valuers, Insurances Agents, Commissioners.

Money to lend. Money invested for Parties. Farms bought and sold.

CONVEYANCERS.

A general financial business transacted Office next door to Standard Bank Durham

Rheumatism & Dyspepsia Cured.

571 St. Patrick Street, OTTAWA, July 31st, 1896.

To the Phenoline Medicine Co., Ltd. Ottawa, Ont.

GENTLEMEN.—On the advice of a friend I tried one bottle of your famous rheumatic remedy, Phenoline, and to my surprise it cured me of rheumatism, from which I have suffered for many years.

It also cured me of dyspepsia, from which I was suffering at the time, so what I feel now like a new man.

I have tried several remedies for rheumatism, some of which did me a certain amount of good, but nothing that I have taken has done so much for me as your Phenoline, and I have much pleasure in recommending it to other sufferers.

Yours very truly, (Signed) JAMES CARROLL, Foreman of Works, Isam canal.

Only by H. PARKER, Durham.

## Mortgage Sale.

RESIDENCE PROPERTY

—IN THE—

TOWN OF DURHAM,

UNDER AND BY VIRTUE OF the power of Sale contained in a certain Indenture of Mortgage, which will be produced at the time of Sale, there will be offered for Sale by Public Auction at the

Central Hotel,

In the Town of Durham in the County of Grey by

JAMES CARSON, AUCTIONEER,

—ON—

FRIDAY, the 10th day of Dec. '97.

At one o'clock in the afternoon, that residence property, being composed of Park lot number "A" in Jackson's survey in the Town of Durham and containing one half an acre, more or less being a subdivision of the second division of lot number twenty-seven in the First concession West of the Garafaxa Road in the County of Grey.

On the said premises are said to be erected a Rough Cast or Groat House and Kitchen, and frame stables.

The property will be offered for sale subject to a reserve bid.

TERMS OF SALE—20 per cent at the time of sale, and balance within 30 days thereafter without interest.

For further particulars apply to GEORGE MIGHTON, Vendor, or to ARTHUR H. JACKSON, Durham.

Dated at Durham, 6th Nov., 1897.

## GRANT'S AD.

KNITTED SHWLS..

We have about 3 doz. Knitted Wool Shawls at one dollar each, in Grey, Black, Cardinal, Grenat, Cream and other colors. Now while they last they go at 75c. They are first class goods—Nothing wrong about them but we want to clear them out, and others that were 75c and 85c, go at 60c.

CLOUDS

We have a few Clouds which we will sell at equally low price, we start them at 20c. This is your opportunity don't lose the chance of getting one of the Shawels.

We have a few Woven Square Shawls, neat in pattern and good Coloring, at low prices. As this is the season of the year when these goods are worn they must go fast.

C. L. GRANT

TRY OUR TEAS..

## THE BOOM OF THE SEASON

In Full blast at McArthur's

It means the highest price for EGGS and BUTTER in exchange for the cheapest GOODS of best QUALITY. OUR COMPLETE DEPARTMENTS ARE

READY-MADE CLOTHING DRY GOODS, GROCERIES, AND BOOTS & SHOES.

Call and investigate our goods and Prices and we are sure you will go away entirely satisfied.

C. McARTHUR

## OUR FALL AND WINTER GOODS

Are arriving in large stocks at Calder's Warerooms, consisting of a carload of the best kind of Cooking Stoves, Fancy Parlor Stoves, Box Stoves, Coal Stoves, Etc.

CUTTERS

Are arriving daily and we promise you the best and cheapest assortment ever shown in Durham.

ROBES

Of all kinds, White, Black and Grey, at prices that will surprise you. Come early and get your choice.

A FEW BUGGIES and WAGGONS

In stock and you can get these at cost price in order to clean out stock.

SEWING MACHINES and ORGANS

Rooms fully stocked of the best makes and styles. Will sell at reduced prices and give you a good assortment to pick from.

PLOWS

All kinds of Plows, Gang Plows, Etc. from \$10 upwards. Come and see them and get a bargain for the balance of the season.

SEE OUR ROLLER BEARING TURNIP PULPER

Money to loan at five percent, on good security. Insurance business promptly attended to. Marriage Licenses issued.

W. CALDER, LOWER TOWN

## Harness !!

We Handle everything in the Harness line, at right prices.

CALL & SEE OUR

Collars, Pads, Bites, Whips, &c., &c.

Heavy & Light Harness TO SUIT YOU.

Workmanship Unsurpassed Fine Choice in Valises, Grips, Horse Blankets, &c., &c. We do the trade in Raw Furs. Highest Price Paid.

C. LEAVENS, Jr.

MISS SHEWELL

Would intimate that she will continue the Furniture and Undertaking Business established by her father in Durham in 1855 and will endeavor to give all old and new customers the same entire satisfaction.

FULL LINE OF—

Furniture of the Best Make ALWAYS ON HAND. PICTURE FRAMING A SPECIALTY

Undertaking and Embalming on "abest" principles at reasonable rates.

MISS SHEWELL

Remember the stand opposite the Market, Durham.

The only first-class Dresser in town.